

Lipid/Carbohydrate References

1. Black BL, Croom J, Eisen EJ, Petro AE, Edwards CL, Surwit RS: Differential effects of fat and sucrose on body composition in A/J and C57BL/6 mice. *Metabolism* **47**: 1354-1359, 1998
2. Cinti, Cancello R, Zingaretti MC, Ceresi E, De Matteis R, Giordano A, Himms-Hagen J, Ricquier D: CL316,243 and cold stress induce heterogeneous expression of UCP1 mRNA and protein in rodent brown adipocytes. *J Histochem Cytochem* **50**: 21-31, 2002
3. Collins S, Daniel KW, Rohlf EM, Ramkumar V, Taylor IL, Gettys TW: Impaired expression and functional activity of the β 3- and β 1-adrenergic receptors in adipose tissue of congenitally obese (C57BL/6J ob/ob) mice. *Molecular Endocrinology* **8**: 518-527, 1994
4. Collins S, Martin T, Surwit R, Robidoux J: Genetic vulnerability to diet-induced obesity in the C57Bl/6J mouse: physiological and molecular characteristics. *Physiology and Behavior* **81**: 243-248, 2004
5. Eckel RH, Grundy SM, Zimmet PZ: The metabolic syndrome. *Lancet* **365**: 1415-1428, 2005
6. Graham TE, Yang Q, Bluher M, Hammarstedt A, Ciaraldi TP, Henry RR, Wason CJ, Oberbach A, Jansson PA, Smith U, Kahn BB: Retinol-binding protein 4 and insulin resistance in lean, obese, and diabetic subjects. *N Engl J Med* **354**: 2552-2563, 2006
7. Horton JD, Goldstein JL, Brown MS: SREBPs: activators of the complete program of cholesterol and fatty acid synthesis in the liver. *Journal of Clinical Investigation* **109**: 1125-1131, 2002
8. Horton JD, Shimomura I, Ikemoto S, Bashmakov Y, Hammer RE: Overexpression of sterol regulatory element-binding protein-1a in mouse adipose tissue produces adipocyte hypertrophy, increased fatty acid secretion, and fatty liver. *Journal of Biological Chemistry* **278**: 36652-36660, 2003
9. Kopecky J, Clarke G, Enerback S, Spiegelman B, Kozak LP: Expression of the mitochondrial uncoupling protein gene from the aP2 gene promoter prevents genetic obesity. *J Clin Invest* **96**: 2914-2923, 1995
10. Kuriyama H, Liang G, Engelking LJ, Horton JD, Goldstein JL, Brown MS: Compensatory increase in fatty acid synthesis in adipose tissue of mice with conditional deficiency of SCAP in liver. *Cell Metabolism* **1**: 41-51, 2005
11. Makowski L, Hotamisligil GS: Fatty acid binding proteins - The evolutionary crossroads of inflammatory and metabolic responses. *J Nutrition* **134**: 2464S-2468S, 2004
12. Mills E, Kuhn CM, Feinglos MN, Surwit R: Hypertension in CB57BL/6J mouse model of non-insulin-dependent diabetes mellitus. *Am J Physiol* **264**: R73-R78, 1993
13. Muoio DM, Newgard CB: Obesity-related derangements in metabolic regulation. *Annu Rev Biochem* **75**: 367-401, 2006
14. Park SW, Moon YA, Horton JD: Post-transcriptional regulation of low density lipoprotein receptor protein by proprotein convertase subtilisin/kexin type 9a in mouse liver. *Journal of Biological Chemistry* **279**: 50630-50638, 2004
15. Phillips C, Lopez-Miranda J, Perez-Jimenez F, McManus R, Roche HM: Genetic and nutrient determinants of the metabolic syndrome. *Curr Opin Cardiol* **21**: 185-193, 2006
16. Polonsky KS: Retinol-binding protein 4, insulin resistance, and type 2 diabetes. *N Engl J Med* **354**: 2596-2598, 2006

17. Rashid S, Curtis DE, Garuti R, Anderson NN, Bashmakov Y, Ho YK, Hammer RE, Moon YA, Horton JD: Decreased plasma cholesterol and hypersensitivity to statins in mice lacking Pcsk 9. *PNAS* **102**: 5374-5379, 2005
18. Schemmel R, Mickelsen O, Gill JL: Dietary obesity in rats: body weight and body fat accretion in seven strains of rats. *J Nutrition* **100**: 1041-1048, 1979
19. Shiri-Sverdlov R, Wouters K, van Gorp PJ, Gijbels MJ, Noel B, Buffat L, Staels B, Maeda N, van Bilsen M, Hofker MH: Early diet-induced non-alcoholic steatohepatitis in APOE2 knock-in mice and its prevention by fibrates. *J of Hepatology* **44**: 732-741, 2006
20. Surwit RS, Feinglos MN, Rodin J, Sutherland A, Petro AE, Opara EC, Kuhn CM, Rbuffe-Scrive M: Differential effects of fat and sucrose on the development of obesity and diabetes in C57BL/6J and A/J Mice. *Metabolism* **44**: 645-651, 1995
21. Watkins SM: Lipomic profiling in drug discovery, development and clinical trial evaluation. *Current Opinion in Drug Discovery & Development* **7**: 112-117, 2004
22. Weiss R, Dziura J, Burgert TS, Tamborlane WV, Taksali SE, Yeckel CW, Allen K, Lopes M, Savoye M, Morrison J, Sherwin RS, Caprio S: Obesity and the metabolic syndrome in children and adolescents. *N Engl J Med* **350**: 2362-2374, 2004
23. West DB, Boozer CN, Moody DL, Atkinson RL: Dietary obesity in nine inbred mouse strains. *Am J Physiol* **262**: R1025-R1032, 1992
24. Wood PA: Genetically modified mouse models for disorders of fatty acid metabolism: pursuing the nutrigenomics of insulin resistance and type 2 diabetes. *Nutrition* **20**: 121-126, 2004